

WHAT IS CLAIMED IS:

- 1 1. A scroll collar and a reciprocating tool assembly for providing a rotating
2 grip, comprising:
3 a reciprocating tool having a housing and a working end;
4 a support structure on said housing adjacent said working end; and
5 a generally cylindrical scroll collar carried by said support structure and
6 configured to rotate around a scroll collar axis.
- 1 2. The assembly of claim 1 wherein the reciprocating tool is a saw.
- 1 3. The assembly of claim 1 wherein said support structure is a structure
2 attached to said housing having a generally circular interface.
- 1 4. The assembly of claim 3 wherein said support structure has a first collar
2 support and a second collar support each extending approximately 180-degrees and
3 including a counterbore for receiving a fastener.
- 1 5. The assembly of claim 1 further including a resistance structure disposed
2 between said support structure and said scroll collar.
- 1 6. The assembly of claim 5 wherein said resistance structure is at least one O-
2 ring.
- 1 7. The assembly of claim 1 further including a retaining member located
2 adjacent to said scroll collar for retaining said scroll collar on said support structure.

1 8. The assembly of claim 7 wherein said retaining member is an endplate
2 attached generally perpendicular to said scroll collar axis.

1 9. The assembly of claim 1 wherein said scroll collar includes a base for
2 engaging the support structure and an overmold disposed on said base.

1 10. The assembly of claim 1 further including a lock for restricting rotation of
2 the scroll collar about the scroll collar axis.

1 11. The assembly of claim 10 wherein said lock is axially and slidingly
2 disposed in a detent on the reciprocating tool and includes a forward tab configured to be
3 engaged with at least one receiving slot on said collar.

1 12. The assembly of claim 11 further including a marker on said collar for
2 aligning the at least one receiving slot and said forward tab.

1 13. A scroll collar assembly for use with a reciprocating tool having a motor
2 housing, a working end and a gear housing, comprising:

3 a support structure configured for attachment to the gear housing;

4 a scroll collar configured to slidingly engage said support structure and to
5 rotate around a scroll collar axis.

1 14. The assembly of claim 13 wherein said support structure has a generally
2 circular interface.

1 15. The assembly of claim 14 wherein said support structure has a first collar
2 support and a second collar support each extending approximately 180-degrees and
3 including a counterbore for receiving a fastener.

1 16. The assembly of claim 13 further including a resistance structure disposed
2 between said support structure and said scroll collar.

1 17. The assembly of claim 13 further including a retaining member located
2 adjacent to said scroll collar for retaining said scroll collar on said support structure.

1 18. The assembly of claim 13 wherein said scroll collar includes a base for
2 engaging the support structure and an overmold disposed on said base.

1 19. A reciprocating tool for use with a scroll collar assembly having a support
2 structure and a scroll collar, comprising:

3 a motor housing;

4 a gear housing disposed adjacent to said motor housing and a working end
5 disposed adjacent to said gear housing wherein the support structure is attached to said
6 gear housing and is slidingly engaged by the scroll collar.

1 20. The reciprocating tool of claim 19 wherein the tool is a reciprocating saw.

1 21. A scroll collar for use with a reciprocating tool having a motor housing, a
2 working end, a gear housing and a support structure, comprising:

3 a generally cylindrical member having an inner surface and an outer
4 surface, said inner surface configured to slidingly contact the support structure so that
5 said cylindrical member can rotate around said support structure.

1 22. A reciprocating tool for use with a scroll collar including a cylinder having
2 an inner surface and an outer surface, comprising:

3 a motor housing;

4 a gear housing disposed adjacent to said motor housing and a working end
5 disposed adjacent to said gear housing

6 a support structure attached to said gear housing and configured to slidingly
7 engage the inner surface of the cylinder.

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